

**To:** Wall, Dan[wall.dan@epa.gov]  
**From:** Horn - DNR, Barb  
**Sent:** Tue 8/11/2015 3:26:28 PM  
**Subject:** Re: Fish v.2

Dan, the fish in the hatchery are all on spring water, no direct Animas water--that has been true since we modified water intakes years ago due to whirling disease, so they were unacclimated to Animas water if you will.

On Tue, Aug 11, 2015 at 9:19 AM, Wall, Dan <wall.dan@epa.gov> wrote:

My suspicion is that the massive amount of iron hydroxide has globbed up a lot of the more toxic metals. Not bioavailable. I also think the native fish adapted as you say.

Barb were the caged fish exposed in the hatchery to unfiltered animas water prior to being put in the cages? I

**From:** **Personal Email/Ex. 6**  
**Sent:** Tuesday, August 11, 2015 7:40 AM  
**To:** Wall, Dan; [butlerpeter2@gmail.com](mailto:butlerpeter2@gmail.com); 'Jim White - DNR'; 'Barb Horn - DNR'; 'Scott Roberts'; 'Chuck Wanner'; 'Steve Fearn'; 'Julie Butler'  
**Subject:** RE: Fish v.2

That is great news Dan. Makes one wonder how that is happening given the degree of contamination. I also wonder exactly what species those little fellows are. It is possible that our native species have adapted somewhat to short but high concentrations of heavy metals whereas non-natives have not. Any chance of finding out?

Cheers,

Bill

**From:** Wall, Dan [<mailto:wall.dan@epa.gov>]  
**Sent:** Tuesday, August 11, 2015 7:31 AM  
**To:** [butlerpeter2@gmail.com](mailto:butlerpeter2@gmail.com); Jim White - DNR; Barb Horn - DNR; Scott Roberts; William Simon; Chuck Wanner; Steve Fearn; Julie Butler  
**Subject:** RE: Fish v.2

I saw exactly the same thing yesterday in a orange sediment covered pool Bruce Knowltons property. Maybe 1000 YoY fry.

**From:** [butlerpeter2@gmail.com](mailto:butlerpeter2@gmail.com) [<mailto:butlerpeter2@gmail.com>]  
**Sent:** Monday, August 10, 2015 10:33 PM  
**To:** Wall, Dan; Jim White - DNR; Barb Horn - DNR; Scott Roberts; William Simon; Chuck Wanner; Steve Fearn; Julie Butler  
**Subject:** Fwd: Fish v.2

Fish at Zink Ranch near Trimble Lane.

Peter

Sent from my iPad

Begin forwarded message:

**From:** "Ed Zink" <[edzink@waterfallranch.com](mailto:edzink@waterfallranch.com)>  
**Date:** August 10, 2015 at 10:03:47 PM MDT  
**To:** "Joe Wheeling" <[jbishop@bishdevco.com](mailto:jbishop@bishdevco.com)>, "Joe Bishop" <[john@mountainbikespecialists.com](mailto:john@mountainbikespecialists.com)>, "D. Adam Smith" <[smith@lpcattorney.org](mailto:smith@lpcattorney.org)>, "Jim White" <[j.white@state.co.us](mailto:j.white@state.co.us)>, "Joanne Spina" <[SPINAJM@co.laplata.co.us](mailto:SPINAJM@co.laplata.co.us)>, "Kelly Palmer" <[kapalmer@fs.fed.us](mailto:kapalmer@fs.fed.us)>, "Patricia Dorsey" <[patt.dorsey@state.co.us](mailto:patt.dorsey@state.co.us)>, "Peggy Montano" <[pmontano@troutlaw.com](mailto:pmontano@troutlaw.com)>, "Robert B. Genualdi" <[robert.genualdi@state.co.us](mailto:robert.genualdi@state.co.us)>, "Ron LeBlanc" <[LeBlancRP@ci.durango.co.us](mailto:LeBlancRP@ci.durango.co.us)>, <[deanbrookie@dgogov.org](mailto:deanbrookie@dgogov.org)>

**Cc:** "Barry Owen" <[barryowen@fs.fed.us](mailto:barryowen@fs.fed.us)>, "Barbara Zink" <[barbara.zink@waterfallranch.com](mailto:barbara.zink@waterfallranch.com)>, "Bruce Whitehead" <[brucew@southwesternwater.org](mailto:brucew@southwesternwater.org)>, "Butch Knowlton" <[knowltonbk@co.laplata.co.us](mailto:knowltonbk@co.laplata.co.us)>, "Cap Allen" <[cap.allen@ci.durango.co.us](mailto:cap.allen@ci.durango.co.us)>, "Cecilia White" <[METZCL@ci.durango.co.us](mailto:METZCL@ci.durango.co.us)>, "Cory Sue Hutchins" <[corysuehutchins@ci.durango.co.us](mailto:corysuehutchins@ci.durango.co.us)>, "Dick White" <[dickwhite@ci.durango.co.us](mailto:dickwhite@ci.durango.co.us)>, "Ellen Roberts" <[eroberts@gobrainstorm.net](mailto:eroberts@gobrainstorm.net)>, "Janet Wolf" <[wolf@ecosphere-ecology.com](mailto:wolf@ecosphere-ecology.com)>

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"Marty Moses" <[marty.moses@co.usua.gov](mailto:marty.moses@co.usua.gov)>, "Matt Janowrak" <[mjjanowrak@fs.fed.us](mailto:mjjanowrak@fs.fed.us)>, "Mike Taylor" <[mike.taylor@specialized.com](mailto:mike.taylor@specialized.com)>, "Nelson"

Zink" <[zink@newmex.com](mailto:zink@newmex.com)>, "Shane Sigle, P.E." <[shane@riverwise.org](mailto:shane@riverwise.org)>, "Pete Foster" <[pfoster@wrightwater.com](mailto:pfoster@wrightwater.com)>, "Peter Butler" <[butlerpeter2@gmail.com](mailto:butlerpeter2@gmail.com)>, "Richard Ballantine" <[rgb@durangoherald.com](mailto:rgb@durangoherald.com)>, "Tony Ganzerla"

**Personal Email/Ex. 6** "Patti Zink" <[pattizink@waterfallranch.com](mailto:pattizink@waterfallranch.com)>, "Brett Schaffer" <[brett@waterfallranch.com](mailto:brett@waterfallranch.com)>, "Dan James" <[cheese@jamesranch.net](mailto:cheese@jamesranch.net)>, "Ed Zink" <[edzink@waterfallranch.com](mailto:edzink@waterfallranch.com)>, "Eric Bikis" <[eric@bikiswater.com](mailto:eric@bikiswater.com)>, "Jud Hassel"

**Personal Email/Ex. 6** "me Eberspacher" <[meme@animasconsolidatedditch.com](mailto:meme@animasconsolidatedditch.com)>, "Tim Holt" <[tim@animasconsolidatedditch.com](mailto:tim@animasconsolidatedditch.com)>, "Frank Sinton" <[fjs@daltonranch.com](mailto:fjs@daltonranch.com)>, "Ott John" <[ott@animaswatercompany.com](mailto:ott@animaswatercompany.com)>, "Terra Anderson" <[terra@animaswatercompany.com](mailto:terra@animaswatercompany.com)>

**Personal Email/Ex. 6** "Frank Sinton" <[fjs@daltonranch.com](mailto:fjs@daltonranch.com)>, "Ott John" <[ott@animaswatercompany.com](mailto:ott@animaswatercompany.com)>, "Terra Anderson" <[terra@animaswatercompany.com](mailto:terra@animaswatercompany.com)>

**Subject: FW: Fish v.2**

August 10, 2015,

All,

## Personal Matters/Ex. 6

downstream from a highly mineralized zone we likely live in an eco-zone which has probably somewhat adapted to the acidic nature of the water flowing in the Animas River for millions of years. While this latest incident is certainly a greatly more concentrated flow than we normally experience, it is not altogether out of the realm of past occurrences.

For over 60 years I have closely observed nearly ¾ mile of Animas River running along the east side of our Waterfall Ranch. Embedded are photos we took this evening (August 10, 2015) of baby fish, most likely suckers, that are along the bank of the river by the hundreds. This is encouraging to us. If these small, young, susceptible fish survived the recent episode, it might be that Mother Nature is be taking better care of herself than we first thought possible.

We are certainly looking forward to receiving good scientific analysis of both the concentration and duration of the extremely concentrated flow. This will be invaluable in developing both short term and long term plans to make the best of the bad situation that now exists.

Best Regards,

Ed Zink

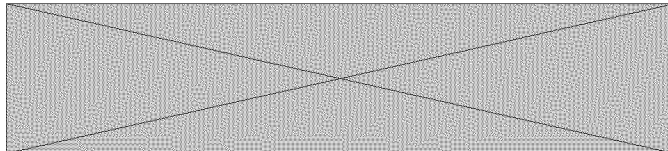
**From:** Tom Hahl **Personal Email/Ex. 6**  
**Sent:** Monday, August 10, 2015 9:02 PM  
**To:** Ed Zink  
**Subject:** Fish v.2

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This email has been checked for viruses by Avast antivirus software.  
[www.avast.com](http://www.avast.com)

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**Barb Horn**  
**Statewide Water Quality Specialist**  
**Water Unit**



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*"Humankind, be both"*